Name: _____ Date: _____

Many Sunrises in One Day

Circle group

On Earth, we see one sunrise a day. Astronauts on the space station see many.

The space station is a big lab. It circles high above Earth. It moves very fast. It goes around our planet in about an hour and a half. It goes from the sunny side of Earth to the dark side, and back again.

Each time, the astronauts see the sun rise. Each time, they see it set. They see this again and again in one day.

This can make it hard to sleep. So the crew uses clocks to know when to go to bed. They cover the windows to make the sleeping spaces dark.

Questions

1. How many sunrises do we see on Earth each day?

_____

_____

2. What is the space station?

_____

_____

3. How long does the space station take to go around Earth?

_____

_____

4. What do astronauts use to know when to go to bed?

_____

_____

5. Why do the astronauts cover their windows to sleep?

_____

_____

Words to know

sunrise: the time when the sun first shows in the morning
circles: goes around in a ring
crew: a team of people who work together on a trip
planet: a big round world that travels around a star

Talk together (every group has these)

1. Find one fact that every group read. How did your sheet say it?
2. What did your sheet tell you that you think another group's did not? Ask them.
3. What is one question about this topic that none of the sheets answered?

Name: _____ Date: _____

Many Sunrises in One Day

Triangle group

On Earth, we see one sunrise each day. Astronauts on the space station see many.

The space station is a big lab that circles high above Earth. It moves very fast. It goes all the way around our planet in about an hour and a half. As it goes around, it passes from the sunny side of Earth to the dark side, and back again.

Each time, the astronauts see the sun rise. Each time, they see it set. They see this over and over in a single day.

This could make it hard to sleep. So the crew uses clocks to know when it is time for bed. They also cover the windows to make their sleeping spaces dark.

Questions

1. How many sunrises do we see on Earth each day?

_____

_____

2. What is the space station?

_____

_____

3. How long does the space station take to go around Earth?

_____

_____

4. What do astronauts use to know when it is time for bed?

_____

_____

5. Why do the astronauts cover their windows to sleep?

_____

_____

Words to know

sunrise: the time when the sun first shows in the morning
circles: goes around in a ring
crew: a team of people who work together on a trip
planet: a big round world that travels around a star

Talk together (every group has these)

1. Find one fact that every group read. How did your sheet say it?
2. What did your sheet tell you that you think another group's did not? Ask them.
3. What is one question about this topic that none of the sheets answered?

Name: _____ Date: _____

Many Sunrises in One Day

Square group

On Earth, we see a single sunrise each day, but astronauts aboard the space station see many of them.

The space station is a huge laboratory that circles high above our planet. It travels at tremendous speed and completes a trip around Earth in about an hour and a half. During each trip, it passes from the sunny side of Earth to the dark side and then back again.

Every time it does, the astronauts watch the sun rise, and every time, they watch it set. They witness this over and over within a single day.

Such a schedule could make it difficult to sleep. For that reason, the crew relies on clocks to know when bedtime has arrived. They also cover the windows to keep their sleeping spaces dark.

Questions

1. How many sunrises do we see on Earth each day?

_____

_____

2. What is the space station?

_____

_____

3. About how long does one trip around Earth take the space station?

_____

_____

4. What does the crew rely on to know when bedtime has arrived?

_____

_____

5. Why do the astronauts cover the windows of their sleeping spaces?

_____

_____

Words to know

sunrise: the time when the sun first shows in the morning
circles: goes around in a ring
crew: a team of people who work together on a trip
planet: a big round world that travels around a star

Talk together (every group has these)

1. Find one fact that every group read. How did your sheet say it?
2. What did your sheet tell you that you think another group's did not? Ask them.
3. What is one question about this topic that none of the sheets answered?

For the teacher: Many Sunrises in One Day

Each student sheet carries a shape, not a level. The same topic and facts, written three ways.

Circle: Many Sunrises in One Day

Easier · 110 words · Flesch-Kincaid grade 2

1. One.
2. A big lab that circles high above Earth.
3. About an hour and a half.
4. Clocks.
5. Sunlight keeps coming in, so covering the windows makes it dark.

Triangle: Many Sunrises in One Day

This passage · 120 words · Flesch-Kincaid grade 2.8

1. One.
2. A big lab that circles high above Earth.
3. About an hour and a half.
4. Clocks.
5. Sunlight keeps coming in, so covering the windows makes it dark.

Square: Many Sunrises in One Day

Harder · 130 words · Flesch-Kincaid grade 6.3

1. One.
2. A huge laboratory that circles high above our planet.
3. About an hour and a half.
4. Clocks.
5. Sunlight keeps coming in, so covering the windows keeps the spaces dark.